<110> Ecker, David J
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        Crooke, Stanley T
        Sampath, Ranga
        Mohan, Venkatraman
        Swayze, Eric
        Hofstadler, Steven
        McNeil, John

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<130> IBIS0169

<140> 09/310,907
<141> 1999-05-12

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<220>
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<400> 81
uaaacaaaac ggcucuuuuc agagccacca cuuc                           34


<210> 82
<211> 34
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 82
uaaacaaaac ggcucuuuuc agagccacca cuuc                           34


<210> 83
<211> 34
<212> RNA
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<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 83
uaaucaaaac ggcucuuuuc agagccacca cuuc                           34


<210> 84
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<211> 34
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 84
auacacaaac ggcucuuuuc agagccacca caac   34

<210> 85
<211> 34
<212> RNA
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<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 85
auacacaaac ggcucuuuuc agagccacca caac   34

<210> 86
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<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 86
uaaccaaaac ggcucuuuuc agagccacca uaac   34

<210> 87
<211> 34
<212> RNA
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<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 87
gacacaaaac ggcucuuuuc agagccacca aucg   34

<210> 88
<211> 34
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

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aaacccaaaa ggcucuuuuc agagccacca cuga   34

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<210> 89
<211> 36
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<220>
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<210> 90
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<400> 90
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<210> 91
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<220>
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<400> 91
acaacccaaa ggcucuuuuc agagccaccc acaa                                  34


<210> 92
<211> 34
<212> RNA
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<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 92
agaacccaaa ggcucuuuua agagccaccc acau                                  34


<210> 93
<211> 34
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<220>
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<210> 94
<211> 34
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 94
uauacccaaa ggcucuuuuc agagccaccc accc                              34


<210> 95
<211> 34
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 95
uaaacccaaa ggcucuuuua agagccaccc acuu                              34


<210> 96
<211> 34
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 96
uuaacccaaa ggcucuuuuc agagccacca acuu                              34


<210> 97
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<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 97
caaaccgaac ggcccuuuua ggccacuaca cuuu                              34


<210> 98
<211> 57
<212> DNA
<213> Artificial Sequence
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27

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 98
tatcttaagg aaacagcttt caagtgcctt tctgcagttt ttcaggagcg caagtaa   57

<210> 99
<211> 57
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 99
tatcttagga aaacagcttt caagtgcctt tctgcagttt ttcaggagcg caagata   57

<210> 100
<211> 57
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 100
tatcttagga aaacagcttt caagtgcctt tctgcagttt ttcaggagcg caagata   57

<210> 101
<211> 56
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 101
tatcttaaag aaacagcttt caagtgcctt tctgcagttt ttcaggagcg aagata   56

<210> 102
<211> 57
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 102
tatcttaaag aaacagcttt caagtgcctt tctgcagttt ttcaggagcg caagata   57

<210> 103

<211> 57
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 103
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<210> 104
<211> 57
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 104
tatcttaaag aaacagcttt caagtgcctt tctgcagttt ttcaggagcg caagata   57

<210> 105
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 105
caacccacaa taactgcttc aaagtgcctt tctgcacaga aatagcgttt gagc   54

<210> 106
<211> 56
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 106
ctacccacaa taactgcttc aaagtgcctt tctgccagaa gtacaagcat ttgagc   56

<210> 107
<211> 57
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 107
tatcttagga aaacagcttt caagtgcctt tctgcagttt ttcaggagcg caagata   57

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<210> 108
<211> 57
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 108
tatcttagga aaacagcttt caagtgcctt tctgcagttt ttcaggagcg caagata      57


<210> 109
<211> 56
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 109
tatcttagaa aaaaagcttt caagtgcctt tctgcagttt tcaggagcgc aagata       56


<210> 110
<211> 57
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 110
tgtcttaaag gaagagcttt caagtgcctt tctccagttt ttcatgagcg caagatt      57


<210> 111
<211> 56
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 111
actttgaaga aaacagcttt caagtgcctt ttgcagtcaa tggagagcgc aagata       56


<210> 112
<211> 56
<212> DNA
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<220>
<223> Description of Artificial Sequence: Novel Sequence
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<400> 112
aatttgaaga aaacagcttt caagtgcctt ttgcagttaa tggagagcgc aagata        56


<210> 113
<211> 57
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 113
tatcttaagg aaacagcttt caagtgcctt tctgcagttt ttcaggagcg caagata       57


<210> 114
<211> 57
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<220>
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<222> (1)..(6)
<223> N is any nucleotide

<220>
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<222> (8)..(11)
<223> N is any nucleotide

<220>
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<222> (14)..(15)
<223> N is any nucleotide

<220>
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<222> (20)..(21)
<223> N is any nucleotide

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<220>
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<223> N is any nucleotide

<220>
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<222> (50)..(53)
<223> N is any nucleotide

<220>
<221> misc_feature
<222> (55)..(57)
<223> N is any nucleotide

<400> 114
nnnnnnannn naanngcuun naagugccuu ununcnnnnn nnnnnnngcn nnngnnn      57


<210> 115
<211> 57
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 115
uaucuuaagg aaacagcuuu caagugccuu ucugcaguuu uucaggagcg caaguaa      57


<210> 116
<211> 57
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 116
uaucuuagga aaacagcuuu caagugccuu ucugcaguuu uucaggagcg caagaua      57


<210> 117
<211> 57
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 117
uaucuuagga aaacagcuuu caagugccuu ucugcaguuu uucaggagcg caagaua      57


<210> 118
<211> 56
<212> RNA
<213> Artificial Sequence
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<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 118
uaucuuaaag aaacagcuuu caagugccuu ucugcaguuu uucaggagcg aagaua   56

<210> 119
<211> 57
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 119
uaucuuaaag aaacagcuuu caagugccuu ucugcaguuu uucaggagcg caagaua   57

<210> 120
<211> 57
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 120
uaucuuaaag aaacagcuuu caagugccuu ucugcaguuu uucaggagcg caagaua   57

<210> 121
<211> 57
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 121
uaucuuaaag aaacagcuuu caagugccuu ucugcaguuu uucaggagcg caagaua   57

<210> 122
<211> 54
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 122
caacccacaa uaacugcuuc aaagugccuu ucugcacaga aauagcguuu gagc   54

<210> 123

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<211> 56
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 123
cuacccacaa uaacugcuuc aaagugccuu ucugccagaa guacaagcau uugagc        56


<210> 124
<211> 57
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 124
uaucuuagga aaacagcuuu caagugccuu ucugcaguuu uucaggagcg caagaua       57


<210> 125
<211> 57
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 125
uaucuuagga aaacagcuuu caagugccuu ucugcaguuu uucaggagcg caagaua       57


<210> 126
<211> 56
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 126
uaucuuagaa aaaaagcuuu caagugccuu ucugcaguuu ucaggagcgc aagaua        56


<210> 127
<211> 57
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 127
ugucuuaaag gaagagcuuu caagugccuu ucuccaguuu uucaugagcg caagauu       57
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34

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<210> 128
<211> 56
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 128
acuuugaaga aaacagcuuu caagugccuu uugcagucaa uggagagcgc aagaua      56


<210> 129
<211> 56
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 129
aauuugaaga aaacagcuuu caagugccuu uugcaguuaa uggagagcgc aagaua      56


<210> 130
<211> 57
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 130
uaucuuaagg aaacagcuuu caagugccuu ucugcaguuu uucaggagcg caagaua     57


<210> 131
<211> 30
<212> DNA
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<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 131
accacgatgt ctgtagttta cactgttgaa                                  30


<210> 132
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence
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<400> 132
tttacaacat aatctagttt accgaagacg c                                    31


<210> 133
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 133
tttacaacat aatctagttt acagaaaaat c                                    31


<210> 134
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 134
tttacaacat aatctagttt acagaaaaat c                                    31


<210> 135
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 135
tttacaacat aatctagttt acagaaaaat c                                    31


<210> 136
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 136
tccacactgg agtaaaacga ggaagaatga a                                    31


<210> 137
<211> 31
<212> DNA
<213> Artificial Sequence
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<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 137
tttacaatgg agtctagttt acaaatagca a   31

<210> 138
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 138
gcttccttct gtctagttta cagactgtaa   30

<210> 139
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 139
gcttccttct gtctagttta cagactatgt   30

<210> 140
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 140
accacactga gtctagttta cacttgcgct   30

<210> 141
<211> 31
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<220>
<221> misc_feature
<222> (1)..(4)
<223> N is any nucleotide

37

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<220>
<221> misc_feature
<222> (6)..(12)
<223> N is any nucleotide

<220>
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<222> (14)..(15)
<223> N is any nucleotide

<220>
<221> misc_feature
<222> (17)..(31)
<223> N is any nucleotide

<400> 141
nnnncnnnnn nnunnannnn nnnnnnnnnn n                          31


<210> 142
<211> 30
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 142
accacgaugu cguguaguuua cacguugaa                            30


<210> 143
<211> 31
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 143
uuuacaacau aaucuaguuu accgaagacg c                          31


<210> 144
<211> 31
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 144
uuuacaacau aaucuaguuu acagaaaaau c                          31


<210> 145
<211> 31
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<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 145
uuuacaacau aaucuaguuu acagaaaaau c   31

<210> 146
<211> 31
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 146
uuuacaacau aaucuaguuu acagaaaaau c   31

<210> 147
<211> 31
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 147
uccacacugg aguaaaacga ggaagaauga a   31

<210> 148
<211> 31
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 148
uuuacaaugg agucuaguuu acaaauagca a   31

<210> 149
<211> 30
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 149
gcuuccuucu gucuaguuua cagacuguaa   30

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<210> 150
<211> 30
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 150
gcuuccuucu gucuaguuua cagacuaugu                                    30


<210> 151
<211> 30
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 151
accacacuga gucuaguuua cacuugcgcu                                    30


<210> 152
<211> 71
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 152
gtttttggca ctgagatatt tattgtttat ttatcagtga cagagttcac tataaatagt   60
gtttttttaa t                                                        71


<210> 153
<211> 71
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 153
ccttttggca ctgagatatt tattgtttat ttatcagtga cagagttcac tataaatggt   60
gtttttttaa t                                                        71


<210> 154
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
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<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 154
tgagatattt atttttattt tatcagtgac agcgttcact ataaatggtg ttttttttat 60

<210> 155
<211> 71
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<220>
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<222> (1)..(11)
<223> N is any nucleotide

<220>
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<222> (25)
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<220>
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<223> N is any nucleotide

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<222> (58)
<223> N is any nucleotide

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<222> (69)
<223> N is any nucleotide

<400> 155
nnnnnnnnnn nugagauauu uauunuuuau uuaucaguga cagnguucac uauaaaungu 60
guuuuuuuna u   71

<210> 156
<211> 71
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 156
guuuuuggca cugagauauu uauuguuuau uuaucaguga cagaguucac uauaaauagu 60
guuuuuuuaa u   71

41

<210> 157
<211> 71
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 157
ccuuuuggca cugagauauu uauuguuuau uuaucaguga cagaguucac uauaaauggu 60
guuuuuuuaa u   71

<210> 158
<211> 60
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 158
ugagauauuu auuuuuuauu uaucagugac agcguucacu auaaauggug uuuuuuuuau 60

<210> 159
<211> 61
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 159
tagaagataa ttatcggaag cagtgccttc cataattatg acagttatac tgtcgttttc 60
t   61

<210> 160
<211> 61
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 160
tagaatataa ttatcggaag cagtgccttc cataattatg acagttatac tgtcggtttt 60
t   61

<210> 161
<211> 61
<212> DNA
<213> Artificial Sequence

<220>

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 161
tagaagataa ggagcggaag cagtgccttc cataattatg acagttatac tgtcgttttt 60
g   61

<210> 162
<211> 61
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<220>
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<222> (6)
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<220>
<221> misc_feature
<222> (11)..(12)
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<222> (14)
<223> N is any nucleotide

<220>
<221> misc_feature
<222> (56)
<223> N is any nucleotide

<220>
<221> misc_feature
<222> (60)..(61)
<223> N is any nucleotide

<400> 162
uagaanauaa nnancggaag cagugccuuc cauaauuaug acaguuauac ugucgnuuun 60
n   61

<210> 163
<211> 61
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 163
uagaagauaa uuaucggaag cagugccuuc cauaauuaug acaguuauac ugucguuuuc 60
u   61

<210> 164
<211> 61
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 164
uagaauauaa uuaucggaag cagugccuuc cauaauuaug acaguuauac ugucgguuuu 60
u   61

<210> 165
<211> 61
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 165
uagaagauaa ggagcggaag cagugccuuc cauaauuaug acaguuauac ugucguuuuu 60
g   61

<210> 166
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 166
acattatcgg gagcagtgtc ttccataatg tataaagaac aaggtagttt tt   52

<210> 167
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 167
acattatcgg gagcagtgtc ttccataatg tataaagaac aaggtagttt tt   52

<210> 168
<211> 52
<212> DNA
<213> Artificial Sequence

<220>

44

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 172
acauuaucgg gggcaguguc uuccauaaug uguaaagaac aagguaguuu uu   52

<210> 173
<211> 41
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 173
tatatcggag acagtgacct ccatatgtta cactaagggt g   41

<210> 174
<211> 41
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 174
tgtatcggag acagtgatct ccatatgtta cactaagggt g   41

<210> 175
<211> 41
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 175
tatatcggag gcagtgacct ccatatgttg cactatgggt g   41

<210> 176
<211> 41
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<220>
<221> misc_feature
<222> (2)
<223> N is any nucleotide

<220>

<220>
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<222> (11)
<223> N is any nucleotide

<220>
<221> misc_feature
<222> (18)
<223> N is any nucleotide

<220>
<221> misc_feature
<222> (30)
<223> N is any nucleotide

<220>
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<223> N is any nucleotide

<400> 176
unuaucggag ncagugancu ccauauguun cacuangggu g   41

<210> 177
<211> 41
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 177
uauaucggag acagugaccu ccauauguua cacuaagggu g   41

<210> 178
<211> 41
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 178
uguaucggag acagugaucu ccauauguua cacuaagggu g   41

<210> 179
<211> 41
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 179
uauaucggag gcagugaccu ccauauguug cacuaugggu g   41

47

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<210> 180
<211> 56
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 180
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<210> 181
<211> 56
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 181
gtaagtaatt atcgggaaca gtgtttccca taattttctt catgcaatga catctt      56


<210> 182
<211> 56
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 182
gtacgtaatt atcggggaca gtgtttccca taattgtttt catgaaatgt catctg      56


<210> 183
<211> 56
<212> RNA
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<220>
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<220>
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<220>
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<223> N is any nucleotide

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<220>
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<223> N is any nucleotide

<220>
<221> misc_feature
<222> (50)
<223> N is any nucleotide

<220>
<221> misc_feature
<222> (56)
<223> N is any nucleotide

<400> 183
guanguaauu aucgggnaca guguuuccca uaauununuu caugnnaugn caucun   56

<210> 184
<211> 56
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 184
guacguaauu aucgggaaca guguuuccca uaauuuucuu caugcgauga caucuu   56

<210> 185
<211> 56
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 185
guaaguaauu aucgggaaca guguuuccca uaauuuucuu caugcaauga caucuu   56

<210> 186
<211> 56
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 186
guacguaauu aucggggaca guguuuccca uaauuguuuu caugaaaugu caucug   56

<210> 187
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 187
actgggagat ggggtcacac ttatctgtgt tcctatggaa aactatttga atat   54

<210> 188
<211> 53
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 188
tgggagatgg ggtcacactt atctgtgttc ctatggaaac tatttgaata ttt   53

<210> 189
<211> 53
<212> DNA
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<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 189
ctagaagatg ggggtcacac ttactgtgtt cctatggaaa ctttgaatat ttg   53

<210> 190
<211> 53
<212> DNA
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<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 190
tagaagatgg gggtcacact tactgtgttc ctatggaaac tttgaatatt tgt   53

<210> 191
<211> 53

<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 191
ctaggagatg ggggtcacac ttactgtgtt cctatggaaa ctttgaatat ttt   53

<210> 192
<211> 53
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 192
taggagatgg gggtcacact tactgtgttc ctatggaaac tttgaatatt tta   53

<210> 193
<211> 53
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 193
ctaggatatg ggtcacactt atctgtgttc ctatggaaac tatttgaata ttt   53

<210> 194
<211> 53
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 194
aggagatggg gggtcacact tactgtgttc ctatggaaac tttgaatatt tgt   53

<210> 195
<211> 53
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 195
taggagatgg ggggtcacac ttactgtgtt cctatggaaa ctttgaatat ttg   53

51

<210> 196
<211> 53
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 196
ctaggagatg ggtcacattt atctgtgttc ctatggaaac tatttgaata ttg   53

<210> 197
<211> 53
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 197
gactaggaga tgggtcacat ttatctgtgt tcctatggaa actatttgaa tat   53

<210> 198
<211> 53
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 198
actgcgagat ggggtcacat atctgtgttc ctatggaaac ttttttttt ttc   53

<210> 199
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<220>
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<223> N is any nucleotide

<220>
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<223> N is any nucleotide

<220>
<221> misc_feature

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<222> (15)..(17)
<223> N is any nucleotide

<220>
<221> misc_feature
<222> (23)..(24)
<223> N is any nucleotide

<220>
<221> misc_feature
<222> (27)
<223> N is any nucleotide

<220>
<221> misc_feature
<222> (47)..(48)
<223> N is any nucleotide

<220>
<221> misc_feature
<222> (51)..(53)
<223> N is any nucleotide

<220>
<221> misc_feature
<222> (55)
<223> N is any nucleotide

<220>
<221> misc_feature
<222> (57)..(60)
<223> N is any nucleotide

<400> 199
nnnnnnnana tgggnnntca canntanctg tgttcctatg gaaactnntt nnntntnnnn 60


<210> 200
<211> 60
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<220>
<221> misc_feature
<222> (1)..(7)
<223> N is any nucleotide

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<223> N is any nucleotide

<220>
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<222> (15)..(17)
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<220>
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<222> (23)..(24)
<223> N is any nucleotide

<220>
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<223> N is any nucleotide

<220>
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<223> N is any nucleotide

<220>
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<222> (51)..(53)
<223> N is any nucleotide

<220>
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<222> (55)
<223> N is any nucleotide

<220>
<221> misc_feature
<222> (57)..(60)
<223> N is any nucleotide

<400> 200
nnnnnnnana ugggnnnuca cannuancug uguuccuaug gaaacunnuu nnnununnnn  60


<210> 201
<211> 53
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 201
acugggagau ggggucacac uuaucugugu uccuauggaa acuauuugaa uau          53


<210> 202
<211> 53
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence
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<400> 202
ugggagaugg ggucacacuu aucuguguuc cuauggaaac uauuugaaua uuu   53

<210> 203
<211> 53
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 203
cuagaagaug ggggucacac uuacuguguu ccuauggaaa cuuugaauau uug   53

<210> 204
<211> 53
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 204
uagaagaugg gggucacacu uacuguguuc cuauggaaac uuugaauauu ugu   53

<210> 205
<211> 53
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 205
cuaggagaug ggggucacac uuacuguguu ccuauggaaa cuuugaauau uuu   53

<210> 206
<211> 53
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 206
uaggagaugg gggucacacu uacuguguuc cuauggaaac uuugaauauu uua   53

<210> 207
<211> 53
<212> RNA
<213> Artificial Sequence

55

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 207
cuaggauaug ggucacacuu aucuguguuc cuauggaaac uauuugaaua uuu   53

<210> 208
<211> 53
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 208
aggagauggg gggucacacu uacuguguuc cuauggaaac uuugaauauu ugu   53

<210> 209
<211> 53
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 209
uaggagaugg ggggucacac uuacuguguu ccuauggaaa cuuugaauau uug   53

<210> 210
<211> 53
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 210
cuaggagaug ggucacauuu aucuguguuc cuauggaaac uauuugaaua uug   53

<210> 211
<211> 53
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 211
gacuaggaga uggggucacau uuaucgugu uccuauggaa acuauuugaa uau   53

<210> 212
<211> 53

<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 212
acugcgagau ggggucacau aucuguguuc cuauggaaac uuuuuuuuuu uuc   53

<210> 213
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 213
caagcgtttg tagcttgt   18

<210> 214
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 214
caagtatttg tagcttgt   18

<210> 215
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 215
caagcatttg tagcttgt   18

<210> 216
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 216
caagcatttg tagcttgt   18

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<210> 217
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 217
caagcattta tagcttgt                                                      18


<210> 218
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 218
caagcatttg tagcttgt                                                      18


<210> 219
<211> 18
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<220>
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<222> (5)..(6)
<223> N is any nucleotide

<220>
<221> misc_feature
<222> (10)
<223> N is any nucleotide

<400> 219
caagnnuuun uagcuugu                                                      18


<210> 220
<211> 18
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 220
caagcguuug uagcuugu                                                      18
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<210> 221
<211> 18
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 221
caaguauuug uagcuugu                                              18


<210> 222
<211> 18
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 222
caagcauuug uagcuugu                                              18


<210> 223
<211> 18
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 223
caagcauuug uagcuugu                                              18


<210> 224
<211> 18
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 224
caagcauuua uagcuugu                                              18


<210> 225
<211> 18
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence
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<400> 225
caagcauuug uagcuugu   18

<210> 226
<211> 71
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 226
ctttctattt atttaaatat ttaaaattta tatttatttt ttgatatatg ttttcctacc 60
ttttgtaact a   71

<210> 227
<211> 71
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 227
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ttttgtaact g   71

<210> 228
<211> 70
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 228
ccttctattt atttaaatat ttaaatttta tatttattgt tgaatgtatg gtttgctacc 60
tattctatta   70

<210> 229
<211> 71
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 229
ccttctattt atttaaatat ttaaatttta tatttattgt tgaatgtatg gtttgctacc 60
tattgtaact a   71

<210> 230
<211> 71
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 230
ctttctattt atttaaatat ttaaatttta tatttatttt ttgatgcatg gtgttctaac   60
ttttgtaata c   71

<210> 231
<211> 71
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 231
caggttattt atttaaatat ttaaaattta tatttatttt ttgatgtatg gtttgctacc   60
ttttgtaatt a   71

<210> 232
<211> 71
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 232
ccttctattt atttaaatat ttaaatttta tatttattgt tgaatgtatg gtttgctacc   60
tattgtaact a   71

<210> 233
<211> 71
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 233
aaatctattt atttaaatat ttaaaattta tatttatttt tgaatgtatg gttcactacc   60
ttttgtaact a   71

<210> 234
<211> 71
<212> DNA
<213> Artificial Sequence

61

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 234
caggctattt atttaaatat ttaaaattta tatttatttt ttgatgtacg ttttgctacc 60
ttttgtaatt a   71

<210> 235
<211> 71
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 235
ccttctattt atttaaatat ttaaatttta tatttattgt tgaatgtatg gtttgctacc 60
tattgtaact a   71

<210> 236
<211> 71
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<220>
<221> misc_feature
<222> (1)..(5)
<223> N is any nucleotide

<220>
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<222> (26)
<223> N is any nucleotide

<220>
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<222> (39)
<223> N is any nucleotide

<220>
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<222> (42)..(43)
<223> N is any nucleotide

<220>
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<222> (46)..(47)
<223> N is any nucleotide

<220>
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<222> (49)

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<223> N is any nucleotide

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<222> (51)
<223> N is any nucleotide

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<223> N is any nucleotide

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<220>
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<223> N is any nucleotide

<220>
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<222> (65)
<223> N is any nucleotide

<220>
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<222> (68)..(71)
<223> N is any nucleotide

<400> 236
nnnnnuauuu auuuaaauau uuaaanuuua uauuuauunu unnaunnang nunnncuanc 60
unuunuannn n                                                    71


<210> 237
<211> 71
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 237
cuuucuauuu auuuaaauau uuaaaauuua uauuuauuuu uugauauaug uuuuccuacc 60
uuuuguaacu a                                                    71


<210> 238
<211> 71
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence
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63

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<400> 238
cuuucuauuu auuuaaauau uuaaaauuua uauuuauuuu uugauauaug uuuuccuacc 60
uuuuguaacu g                                                      71


<210> 239
<211> 70
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 239
ccuucuauuu auuuaaauau uuaaauuuua uauuuauugu ugaauguaug guuugcuacc 60
uauucuauua                                                        70


<210> 240
<211> 71
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 240
ccuucuauuu auuuaaauau uuaaauuuua uauuuauugu ugaauguaug guuugcuacc 60
uauuguaacu a                                                      71


<210> 241
<211> 71
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 241
cuuucuauuu auuuaaauau uuaaauuuua uauuuauuuu uugaugcaug guguucuaac 60
uuuuguaaua c                                                      71


<210> 242
<211> 70
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 242
cagguuauuu auuuaaauau uuaaaauuua uauuuauuuu uugauuaugg uuugcuaccu 60
uuuguaauua                                                        70
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64

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<210> 243
<211> 71
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 243
ccuucuauuu auuuaaauau uuaaauuuua uauuuauugu ugaauguaug guuugcuacc    60
uauuguaacu a                                                        71


<210> 244
<211> 71
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 244
aaaucuauuu auuuaaauau uuaaaauuua uauuuauuuu ugaauguaug guucacuacc    60
uuuuguaacu a                                                        71


<210> 245
<211> 71
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 245
caggcuauuu auuuaaauau uuaaaauuua uauuuauuuu uugauguacg uuuugcuacc    60
uuuuguaauu a                                                        71


<210> 246
<211> 71
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 246
ccuucuauuu auuuaaauau uuaaauuuua uauuuauugu ugaauguaug guuugcuacc    60
uauuguaacu a                                                        71


<210> 247
<211> 46
<212> DNA
<213> Artificial Sequence
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65

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<220>
<223> Description of Artificial Sequence: Novel Sequence

<220>
<221> misc_feature
<222> (40)..(46)
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<400> 247
tgataaatat ggatctttta agattctttt tgtaagcccn nnnnnn                    46


<210> 248
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 248
tgataaatat ggatctttta agattctttt tgtaagccct acgggc                    46


<210> 249
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<220>
<221> misc_feature
<222> (1)..(36)
<223> N is any nucleotide

<400> 249
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntcca ccctga                    46


<210> 250
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 250
ctataaatat ggatctttta tgattctttt tgtaagccct aggggc                    46


<210> 251
<211> 46
<212> DNA
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66

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 251
tgataaatat ggatctttaa agattctttt tgtaagcccc aagggc   46

<210> 252
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 252
tgataaatat ggatctttaa agattctttt tgtaagcccc aagggc   46

<210> 253
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 253
tgataaatat ggatctttaa agattctttt tgtaagcccc aagggc   46

<210> 254
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<220>
<221> misc_feature
<222> (18)..(46)
<223> N is any nucleotide

<400> 254
tgttaaatgt atcaggcnnn nnnnnnnnnn nnnnnnnnnn nnnnnn   46

<210> 255
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

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<400> 255
gtctgttcta agatcatatt tgatcctttc tgtaacctac gggctc                    46


<210> 256
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 256
gtctgttcta agatcatatt tgatcctttc tgtaagccct acgggc                    46


<210> 257
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 257
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<400> 258
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<210> 275
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<212> RNA
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<400> 276
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<223> Description of Artificial Sequence: Novel Sequence

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<210> 280
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<400> 283
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<400> 285
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<210> 286
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<400> 286
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<400> 287
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<210> 288
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<220>
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<400> 288
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<220>
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<400> 289
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<400> 291
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<400> 292
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<210> 293
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<220>
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<400> 293
uuuuaugauu cuuuuuguaa gcccuagggg cucuaaaaug gu                    42


<210> 294
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<400> 294
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<400> 297
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<210> 298
<211> 51
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<400> 298
nnnnnnnnnn nntagcttct cctgataaac taattgtctc acactgtcag t   51

<210> 299
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<400> 299
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<210> 300
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<212> DNA
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<210> 301
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<400> 301

nnnnnnnnnn nnnnnnnnnn nggtaaacta attgtctcac atcgtcagtg c   51

<210> 302
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<210> 303
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<220>
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<400> 303
gcattgcatc gttagcttct cctgataaac taattgcctc acattgtcac t   51

<210> 304
<211> 51
<212> DNA
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<220>
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<210> 305
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<212> DNA
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<220>
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<210> 306

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<210> 307
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<210> 309
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<210> 310
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<400> 310
nnnugcauug uuagcgucuc uugauaaccu uaauugucuc cuaucacuga          50


<210> 311
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<400> 311
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<210> 313
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<400> 313
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<400> 314
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<210> 315
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<210> 316
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<400> 321
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<210> 322
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<400> 322
ggggggauuu guuagcaucu cuugauaaac uuaauugucu cucgucacug a          51


<210> 323
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<400> 323
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<220>
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<400> 325
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<400> 326
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<400> 328
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<210> 331
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<400> 331
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<400> 333
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<400> 334
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<400> 335
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<400> 337
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<210> 338
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<400> 340
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<210> 341
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<400> 341
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<210> 342
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<220>
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<400> 342
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uuauaauuau uauaaaauaa guauaugu   28

<210> 343
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